

Application Number 10/565042
Response to the Office Action dated 02/13/2008

MAY 12 2008

Amendments to the Specification:

Please amend the following paragraph appearing on page 8, line 25 to page 9, line 2 as follows:

A 25 μm thick tetrafluoroethylene (97 mol%)—~~perfluoroalkoxy-perfluoroalkyl~~ vinyl ether (3 mol%) copolymer (PFA) film ("AF-0025": DAIKIN INDUSTRIES, Ltd.) was provided as an electret material. This PFA film and a 0.2 mm thick brass plate were adhered to each other by thermocompression bonding using a heat roll and cut into the same size as in Example A1. Thus, an electret of Comparative Example A5 was produced. The thermocompression bonding was carried out at a temperature of 340°C and at a pressure of 0.5 MPa.

Please amend the following paragraph appearing on page 12, lines 4-13 as follows:

Although the above-described examples are directed to the case where a modified PTFE film is used as an electret material, it is also possible to coat a coating liquid (a dispersion) of a modified PTFE onto a metal member. Also, it is possible to add additives such as a low molecular fluorine compound and an inorganic substance, which can serve as a nucleating agent and an inhibitor, to a coating liquid of homo-PTFE. Considering the melting point, it is preferable to add ~~perfluoroalkoxy-perfluoroalkyl~~ vinyl ether to a coating liquid mainly composed of homo-PTFE. This increases interfaces of spherocrystals and crystal defects in the electret material, thus improving the charge retention ability at high temperatures.